

Bently Nevada's Alignment Services

Full services are available today, and two new alignment products will be available soon



by Malcolm Werner

Director, Global Services
Bently Nevada Corporation
e-mail: malcolm.werner@bently.com



and Steve Sabin

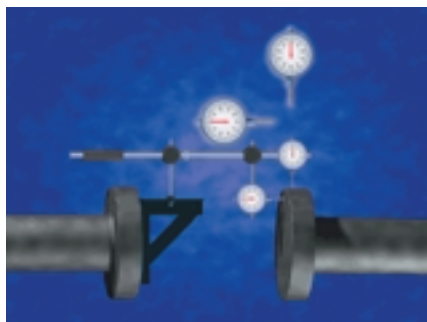
Corporate Marketing Manager
Bently Nevada Corporation
e-mail: steve.sabin@bently.com

Alignment – A primary service offering

For over 20 years, Bently Nevada has provided services related to machinery alignment. Our service engineers are trained to diagnose alignment problems and to look for root cause so that the conditions, which lead to misalignment (such as poor foundations or inadequate shims), can be corrected. This permits the machine to be correctly aligned and then stay aligned.

We understand that it is rarely sufficient to simply diagnose misalignment. Instead, our customers frequently want us to correct the misalignment – just as we are often asked to perform corrective balancing once we've diagnosed a balancing problem on a machine. Can we provide these alignment services? Yes. Our Houston, Texas, alignment services personnel have world-renowned expertise in optical alignment using optical and laser transits to determine the changes between hot and

cold alignment conditions on the machine. In addition, they have considerable experience aligning machines internally, especially steam turbine generators, to assure that seals and shafts will come into proper alignment at running conditions. Our Baton Rouge and Philadelphia offices in the United States, as well as our Australian and United Kingdom offices, also boast service personnel with both hot and cold alignment expertise.



Most of our other field engineers are proficient in cold alignment techniques using dial indicators or laser-based systems. Thus, if you weren't aware of our existing capabilities in this area, you'll want to add alignment to your list of Bently Nevada's service capabilities.

Tools or service – it's your choice with our new Field Alignment Kit

Soon, we'll be releasing our new Field Alignment Kit. It is already being used by our service organization and field engineers worldwide. The Field Alignment Kit follows a very successful model used by Bently Nevada.

Namely, we put many of our field service products into the hands of our own field engineers first. We let them use the tools to solve customer problems and provide feedback to us. Is the product rugged? Is it easy to use? Are the right features and functions present to get the job done properly and quickly?

Our new Field Alignment Kit consists of special laser-based hardware and companion Microsoft Windows®-based software called Bently ALIGN™ that makes alignment calculations easy, accurate, and efficient. In the next issue of the ORBIT, we'll be telling you more about these exciting products and when you'll be able to purchase them. As we explained above, you can already rely on Bently Nevada's extensive global service capabilities to provide both hot and cold alignment. Soon, you'll be able to use the same tools our service organization uses.

Alignment solutions – not just components

An alignment tool is just one piece of the overall picture. At Bently Nevada, we treat alignment as a complete package, not just as a do-it-yourself kit. That's why we provide all of the following:

- **Field Engineering Services** – to both diagnose alignment problems and correct them.
- **Machinery Diagnostic Training** – to teach you how to properly

diagnose misalignment and distinguish it from other machinery problems.

- **Alignment Training** – hands-on training from Bently Nevada, showing you how to perform common alignment techniques.
- **Alignment Trainer** – a convenient simulator, similar in concept to our rotor kits, that allows you to simulate misalignment and correct it.
- **Field Alignment Kit** – the advanced tool you need to perform cold alignment procedures yourself.

We'll have much more to say about our powerful new Field Alignment Kit in the next issue of the ORBIT.

However, there's no need to wait until then to rely on Bently Nevada for your machinery alignment needs. Our service and training capabilities are available right now to ensure your machinery is aligned properly. Contact your nearest Bently Nevada sales and service professional today to learn more. [↪](#)

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maximum value from them.

Consequently, training also plays a very important role in the success of the Jamnagar project. Bently Nevada's Project Management Team has already conducted four training courses.

Another course will be conducted later. The courses are specifically designed to provide the background and fundamentals to help Reliance personnel efficiently and effectively manage their machines. To ensure the learning is more than just a "one time event," Bently Nevada's site representative at Jamnagar will also be actively involved in updating the training needs of the plant during the next five years.

Conclusion

Jamnagar provides an excellent example of a large, complex application of Bently Nevada hardware and software. As such, it was a logical place for us to provide the services necessary to deliver a working system, not just box after box of parts for someone else to install, integrate, and commission. The ability for Bently Nevada to provide a complete scope of services, including project management, system integration, installation and commissioning, on-site training, spare parts management, and system maintenance and optimization was a significant factor in their decision to use Bently Nevada – not simply the quality of our hardware and software. By taking full advantage of these service offerings, the likelihood that Reliance will get full value from their Bently Nevada products is greatly increased. [↪](#)